Document Number 3

Entry 11 of 12 File:DERWENT July 27, 1999

DERWENT-ACC-NO: 1999-127214

DERWENT-WEEK: 199911

TITLE:
Magnetic recording medium e.g. video tape, tape streamer - has ferromagnet ic metal thin film formed over non-magnetic aromatic polyamide film on which numerous protrusions of predetermined height and density are formed

PATENT-ASSIGNEE: SONY CORP[SONY]

PRIORITY-DATA: 1997JP-0100511 (April 17, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11003513 A	January 6, 1999	N/A	013	G11B 005/66

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP11003513A	N/A	1997JP-0348210	December 17, 1997

IPC: G11B005/66

ABSTRACTED-PUB-NO:JP11003513A
BASIC-ABSTRACT:NOVELTY - A ferromagnetic metal thin film is formed over a non-magnetic aromatic polyamide film to which inactive particles of mean diameter 0.03-0.15 micrometer is added. 102-1,040,000 pieces/mm2 minute protrusions of mean height 5-50 nm and of density 103-105 pieces/mm2 are formed on the aromatic polyamide film. DETAILED DESCRIPTION - The thickness of ferromagnetic thin film is set to 0.01-0.2 micrometer and that of non-magnetic aromatic polyamide film is set to 2.0-6.0 micrometer. USE - For video tape, tape streamer for data backup of computer. ADVANTAGE - Favourable electromagnetic transfer characteristic and travelling performance are achieved. Degradation of tape characteristic is prevented. Cleaning effect of head portion is increased and head clogging is prevented. Favourable friction characteristic during recording and reproducing is achieved. DESCRIPTION OF DRAWING(S) - The figure illustrates the minute protrusions on the surface of non-magnetic support body.

CHOSEN-DRAWING:Dwg.1/4

TITLE-TERMS:
MAGNETIC RECORD MEDIUM VIDEO TAPE TAPE STREAMER FERROMAGNETIC METAL THIN FILM FORMING NON MAGNETIC AROMATIC POLYAMIDE FILM NUMEROUS PROTRUDE PREDETERMINED HEIGHT DENSITY FORMING